A.I.A. FILE No. 20-B-1

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CECO

lathing products manual

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MOTOR TRUCK WORKS

Metal Lath

and accessories

CECO STEEL PRODUCTS CORPORATION

CECO STEEL

A.I.A. FILE No. 20-B-1

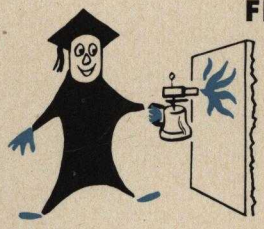
the ABC's

Walls and ceilings
reinforced with
Metal Lath
offer life-time
protection

Adaptability...

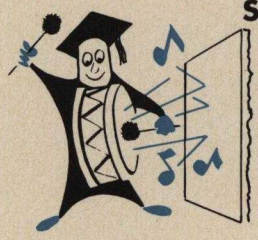
Metal Lath is the most versatile of all plaster bases. It cuts easily for fitting; bends easily without breaking; forms tight, strong angles and may be cut, shaped or bent to conform to any graceful or complex design of modern construction.

In construction products
CECO ENGINEERING
makes the big difference



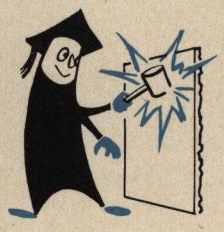
FIRE RESISTANT...

Fires can be "restricted" when walls, partitions and ceilings are constructed of Metal Lath and plaster. Rigid fire tests have established resistance ratings of greater than four hours.



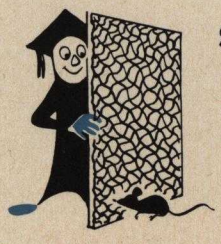
SOUND CONTROL...

Application of acoustical plaster over Metal Lath absorbs sound waves within an area so that excellent acoustical control results in auditoriums, theatres, stores and homes.



IMPACT RESISTANT...

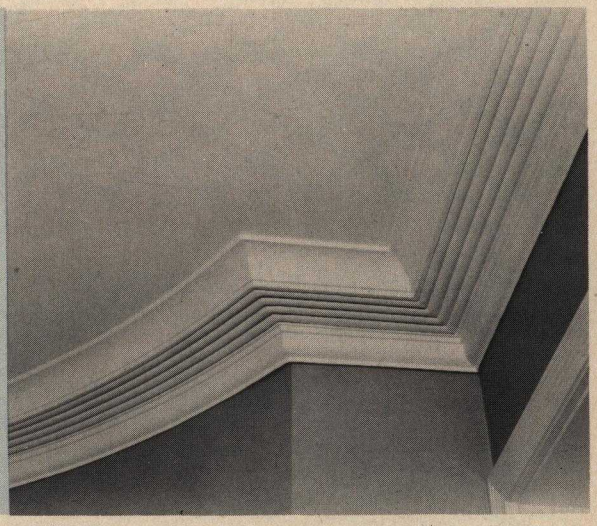
Metal Lath attached to either metal or wooden studs, offers maximum resistance to impact due to reinforcement of the plaster, provided by the tough steel strands.



SANITARY...

Metal Lath construction is not subject to destruction by termites, rats, or other rodents. Neither does this construction provide a surface lodging place for vermin or dust.

# of metal lath...

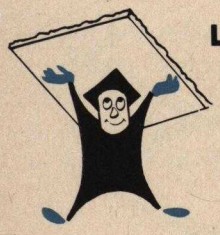


Beauty...

Metal Lath is the only practical base available for achieving many architectural effects, such as this graceful staircase. It is a "must" for such modern designs as recessed lighting, contoured ceilings and walls and other details.

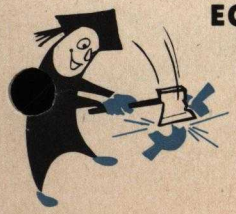
Crack Resistant...

Metal Lath forms continuous two-way reinforcement throughout the plaster. Provides sufficient elasticity to conform with normal movements of the building. Resists the tendency of plaster to crack.



LIGHT IN WEIGHT...

Lightness of weight is characteristic of Metal Lath and plaster partitions. This feature is extremely important in terms of the load a building frame must support.



ECONOMICAL...

Metal Lath is less expensive in long-range cost because of lower insurance premiums, because of greater fire safety and because of freedom from cracking and costly repairs.

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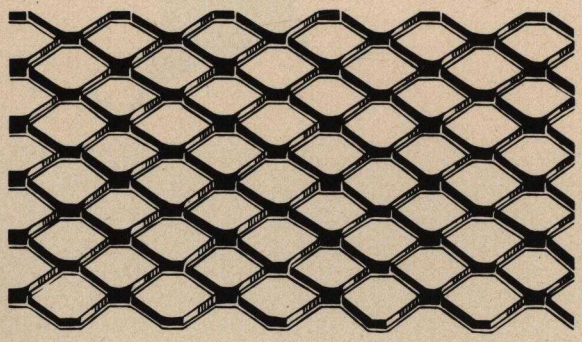
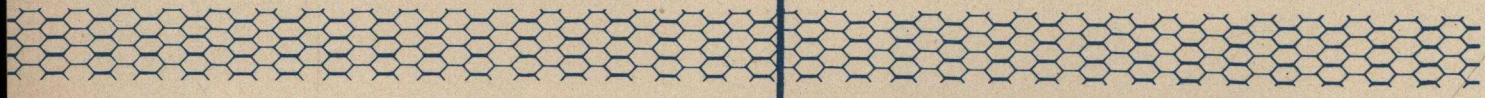


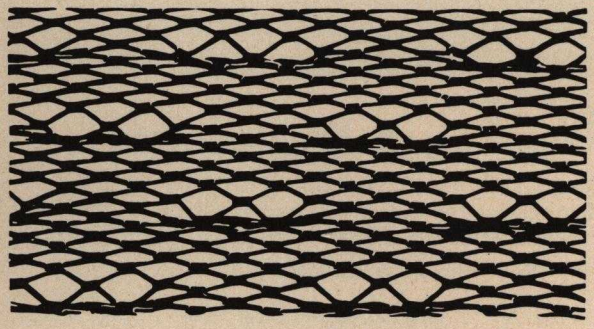
DIAMOND MESH LATH

A general, all-purpose lath, ideal as a plaster base and reinforcement in all kinds of construction. Easily cut and formed for ornamental plaster work and curved surfaces. The small rigid mesh provides perfect keying of the plaster. Sheets are trimmed square at both ends.

Sheet Size:
27″x96″, packed 10 sheets (20 sq. yds.) per bundle

Weights and Materials:
2.5 lbs. per sq. yd.—Painted Copper Alloy Steel
3.4 lbs. per sq. yd.—Painted Copper Alloy Steel
3.4 lbs. per sq. yd.—Galvanized Steel



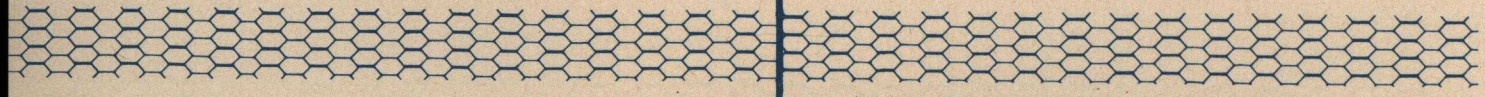


SELF FURRING DIAMOND MESH LATH

This Self Furring Diamond Mesh lath, furnished Dimpled, may be applied directly to wood sheathing. Permits plaster or stucco to key behind lath providing reinforcing close to both surfaces. Sheets are trimmed square at both ends.

Sheet Size:
27″x96″, packed 10 sheets (20 sq. yds.) per bundle

Weights and Materials:
2.5 lbs. per sq. yd.—Painted Copper Alloy Steel
3.4 lbs. per sq. yd.—Painted Copper Alloy Steel
3.4 lbs. per sq. yd.—Galvanized Steel



FLAT RIB *plaster-saving lath*

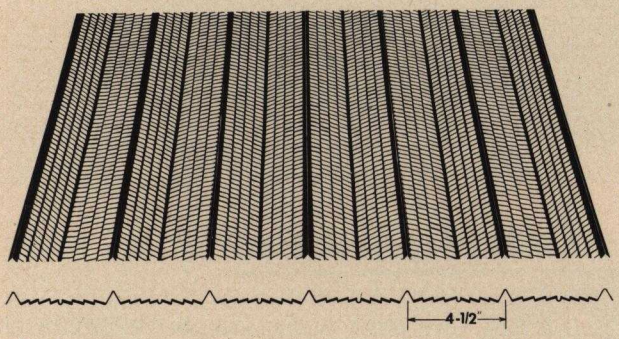
An extra strong herringbone-mesh lath designed so that the special angle of each strand requires less plaster to do the job, yet provides an excellent bond.

Eliminates many of the supports necessary with Diamond Mesh Lath. Excellent for ceiling work. Sheets are trimmed square at both ends.

Sheet Size:
27″x96″, packed 10 sheets (20 sq. yds.) per bundle

Weights and Material:
2.75 lbs. per sq. yd.—Painted Copper Alloy Steel
3.4 lbs. per sq. yd.—Painted Copper Alloy Steel

3/8" RIB LATH

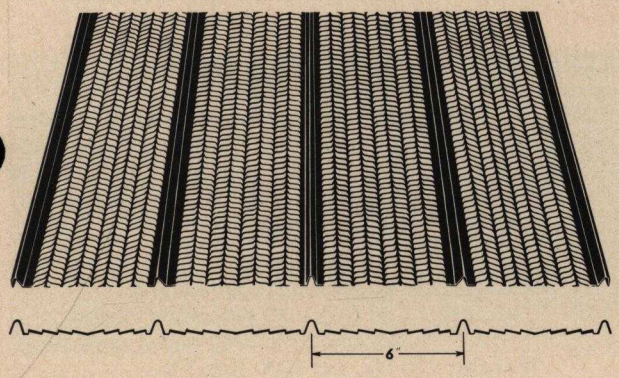


Recommended as a plaster base on wide spacings where flat rib or diamond mesh will not adequately perform. May be used as centering or reinforcement in concrete floor or roof slabs on the top of steel joists, as a plastering base when attached to the underside of steel or concrete joists and as a self-furring lath. All sheets trimmed square at both ends.

Sheet Size:
27"x96", packed 10 sheets (20 sq. yds.) per bundle

Weights and Material:
3.4 lbs. per sq. yd.—Painted Copper Alloy Steel
4.0 lbs. per sq. yd.—Painted Copper Alloy Steel

3/4" RIB LATH

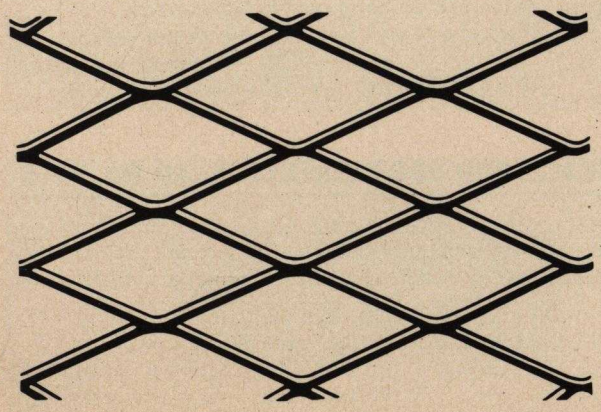


Used primarily in reinforcing concrete floors and roofs, serving as a form on which to pour wet concrete, and in constructing solid slabs. Sheets squared at both ends.

Sheet Size:
24" wide by 8, 10 and 12 ft. long.
Packed 6 sheets to a bundle

Weights and Material:
.60 lbs. per sq. ft.—Painted Copper Alloy Steel
.75 lbs. per sq. ft.—Painted Copper Alloy Steel

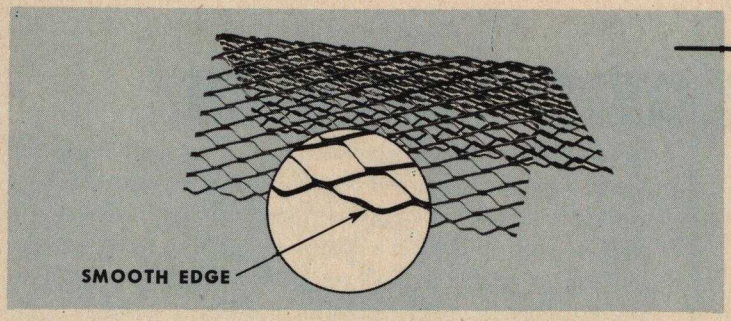
STUCCO MESH



An expanded type of reinforcing with diamond mesh openings approximately 1½"x3" in size. Intended for exterior stucco work. It is necessary that it be furred out from the sheathing at least ¼", to permit complete embedment of the mesh. Sheets squared at both ends.

Sheet Size:
48"x96", packed 10 sheets (35-5/9 sq. yds.) per bundle

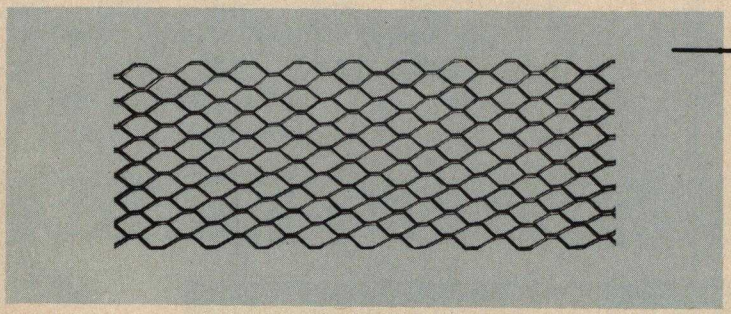
Weights and Material:
1.8 lbs. per sq. yd.—Painted Copper Alloy Steel
3.6 lbs. per sq. yd.—Painted Copper Alloy Steel



CORNA-LATH-Smooth-Edge

Safe to handle. A superior reinforcement for all interior corners, both at walls and ceilings. The practical and economical way of preventing corner cracks.

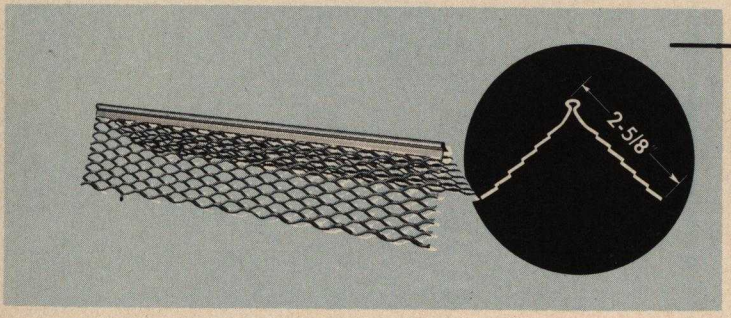
Sizes: 2″x2″x96″; 3″x3″x96″.
Material: Painted Copper Alloy Steel
Packing: 600 lineal ft. per carton
Weights: 2″x2″—100 lbs. per 1000 lineal ft.
3″x3″—140 lbs. per 1000 lineal ft.



STRIP LATH-Smooth-Edge

Smooth edge strip lath is used to cover sections of walls and ceilings where joists might cause plaster crack. Also around window and door frames where metal lath is not used as a plaster base.

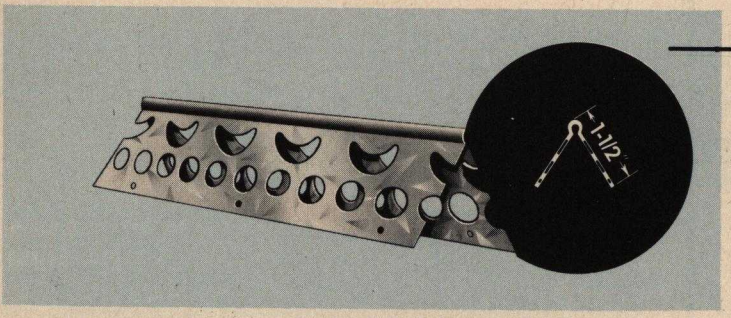
Sizes: 4″ and 6″ widths and 96″ lengths.
Material: Painted Copper Alloy Steel
Packing: 600 lineal ft. per carton
Weights: 4″ wide—100 lbs. per 1000 lineal ft.
6″ wide—140 lbs. per 1000 lineal ft.



EXPANDED CORNER BEAD No. 1-A

Used for reinforcing outer or exposed angles. Assures straight and well protected corners. Provides good grounds and maximum keys for the plaster. The flexibility of the expanded flange makes this bead easy to erect over uneven corners as found on masonry walls.

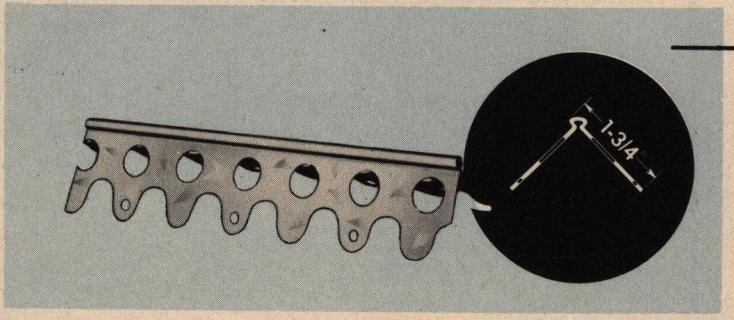
Lengths: 7, 8, 9, 10, and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: 7 and 8 ft.—80 pieces per carton
9, 10 and 12 ft.—60 pieces per carton
Weight: 210 lbs. per 1000 lineal ft.



ARCH FORMING CORNER BEAD No. 4-AF

A superior bead for forming arches. The desired arch can easily be formed by snipping one edge of the flange through to the crescents. Also suitable for straight corner work.

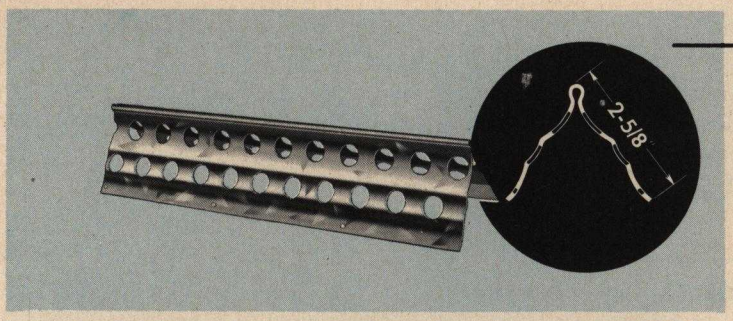
Lengths: 7, 8, 9, 10 and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: 7 and 8 ft.—80 pieces per carton
9, 10 and 12 ft.—60 pieces per carton
Weight: 180 lbs. per 1000 lineal ft.



SCALLOPED EDGE CORNER BEAD No. 13-B

An excellent reinforcement for exterior corners. Scalloped edges provide extra keys for the plaster and permits rapid erection. Width of flanges enables quick easy installation.

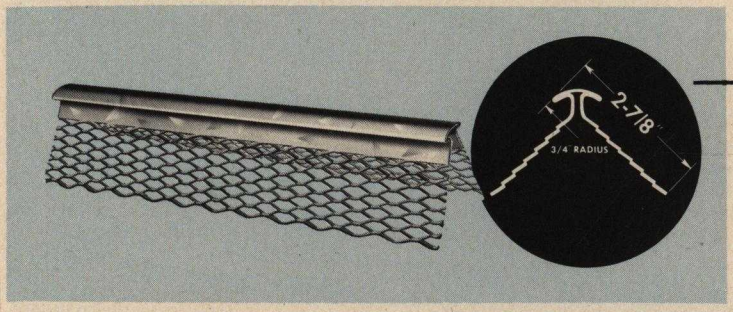
Lengths: 7, 8, 9, 10 and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: 7 and 8 ft.—80 pieces per carton
9, 10 and 12 ft.—60 pieces per carton
Weight: 190 lbs. per 1000 lineal ft.



WIDE FLANGE CORNER BEAD No. 12-B

An exceptionally rapid installation is insured by the extra wide wing, strengthened by corrugations which run parallel to the bead. The double row of key holes in each wing provide a secure plaster bond.

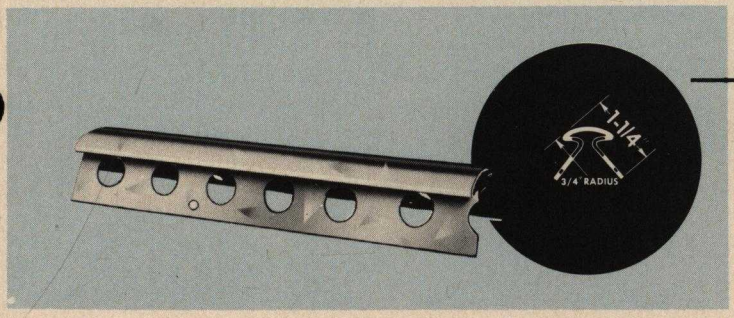
Lengths: 7, 8, 9, 10 and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: 7 and 8 ft.—40 pieces per carton
9, 10 and 12 ft.—30 pieces per carton
Weight: 380 lbs. per 1000 lineal ft.



BULL NOSE EXPANDED CORNER BEAD No. 10-A

An ideal reinforcement where extra broad rounded corners are necessary. The expanded flange offers extra plaster key. Face of bead is 1″ wide; radius ¾″.

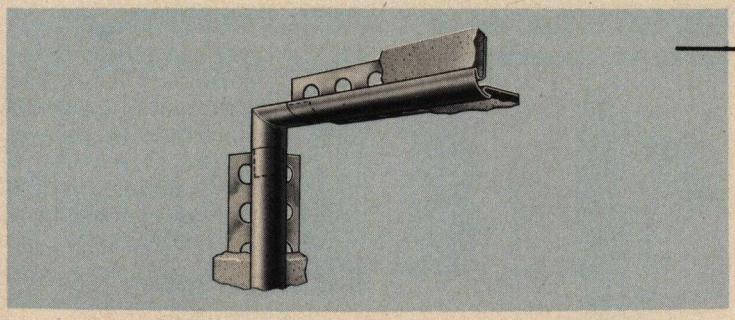
Lengths: 7, 8, 9, 10 and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: All lengths—30 pieces per carton
Weight: 340 lbs. per 1000 lineal ft.



BULL NOSE SOLID WING CORNER BEAD No. 50-B

Generally specified as a corner reinforcement where broad corners are required. Face of bead is 1″ wide; radius ¾″.

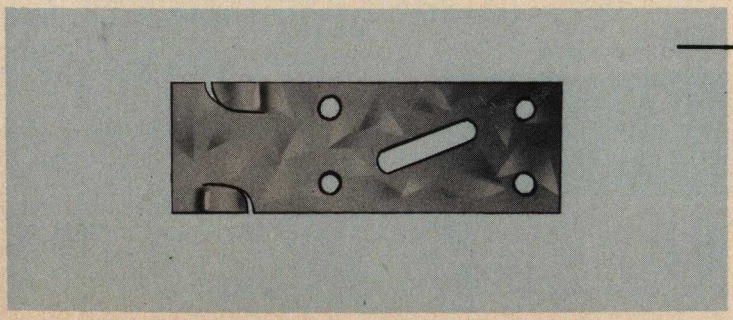
Lengths: 7, 8, 9, 10 and 12 ft.
Material: 26 gauge steel, Galvanized
Packing: 7 and 8 ft.—80 pieces per carton
9, 10 and 12 ft.—60 pieces per carton
Weight: 230 lbs. per 1000 lineal ft.



BULL NOSE MITER No. 50-AB

A corner fitting used with No. 10-A and No. 50-B (¾″ Radius) Bull Nose Corner Beads. This miter insures a neat and tightly finished corner. Ends of the miter are offset so that the miter fits closely into the nose of the bead.

Material: 26 gauge steel, Galvanized.
Packing: 500 pieces per carton
Weight: 40 lbs. per 1000 pieces



CORNER BEAD CLIPS

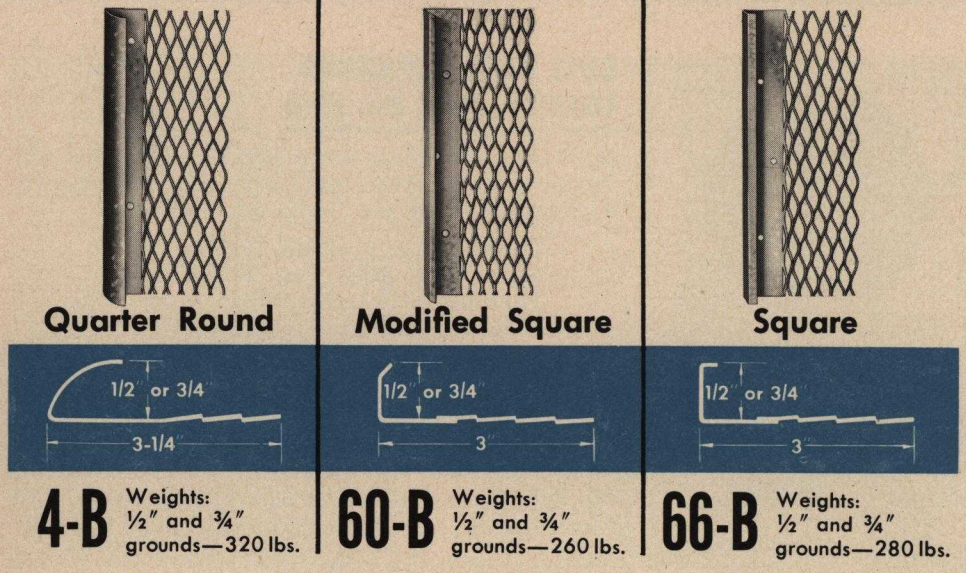
Corner Bead Clips are used with short flange Corner Beads. They provide a substantial brace where these beads are used to straighten up brick or tile corners. Also where nature of the construction requires a wider flange.

Material: Galvanized steel
Packing: 1000 per carton
Weight: 25 lbs. per carton

CECO casing beads for doors and windows

Modern, attractive, sanitary, fireproof trims for doors, windows and other openings. Casing beads can be used with either metal lath or gypsum lath. All styles have a slight camber in the nailing flange which when applied creates a pressure holding the nose of the casing bead tightly against the jamb. Afford excellent plaster bond, minimizing plaster cracks. Provide a screed for the plasterer, assuring proper thickness. Staggered nail holes on all casing beads make nailing easy and positive.

WIDE EXPANDED FLANGE



4-B Weights: ½" and ¾" grounds—320 lbs.

60-B Weights: ½" and ¾" grounds—260 lbs.

66-B Weights: ½" and ¾" grounds—280 lbs.

Weights shown are per 1000 lineal ft.

Expanded flanges eliminate the need for additional stripping since they have the advantage of providing "Built-In" strength at corners of doors and windows. Available in ½" and ¾" grounds.

Standard Lengths:

7, 8 and 10 ft.
(7'3" on special order)

Packing:

7', 7'3" and 8 ft.—80 pieces per carton

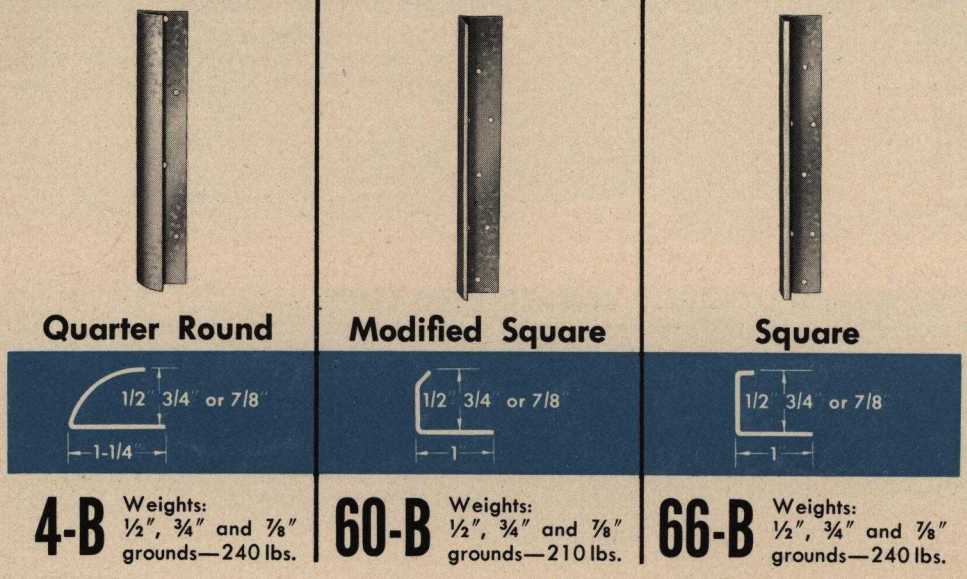
10 ft.—60 pieces per carton

Materials:

No. 4-B is made from 24 gauge steel, Galvanized

Nos. 60-B and 66-B are made from 22 gauge steel, Galvanized

SHORT FLANGE



4-B Weights: ½", ¾" and ⅞" grounds—240 lbs.

60-B Weights: ½", ¾" and ⅞" grounds—210 lbs.

66-B Weights: ½", ¾" and ⅞" grounds—240 lbs.

Weights shown are per 1000 lineal ft.

Three designs, true quarter round, modified square and full square, provide you with a choice to match all modern interior decor stylings. The ⅞" grounds, when used with ⅜" gypsum lath assures a full ½" thickness of plaster. Available in ½", ¾" and ⅞" grounds.

Standard Lengths:

7, 8 and 10 ft.
(7'3" on special orders)

Packing:

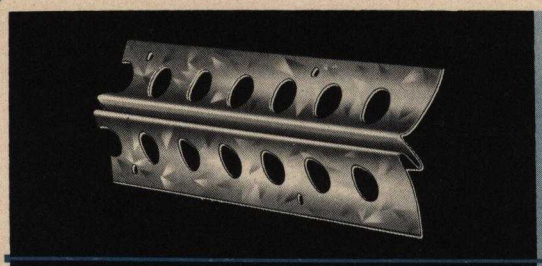
7', 7'3" and 8 ft.—80 pieces per carton

10 ft.—60 pieces per carton

Materials:

No. 4-B is made from 24 gauge steel, Galvanized

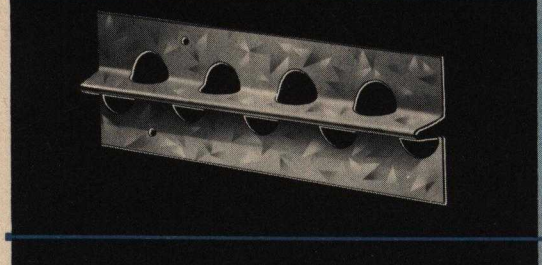
Nos. 60-B and 66-B are made from 22 gauge steel, Galvanized

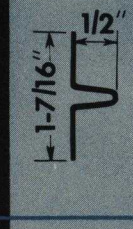


No. 8-A Concealed Picture Mold

Erected before plastering, permitting a uniform plaster thickness. Entirely concealed except the narrow nose of the mold. A rigid support for hanging pictures, mirrors and the like.

Length: 10 ft.
Material: 26 gauge steel, Galvanized
Packing: 50 pieces (500 ft.) per carton
Weight: 235 lbs. per 1000 lineal ft.

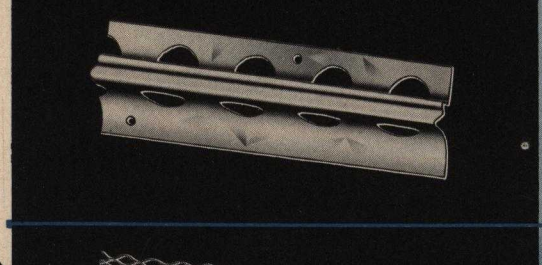


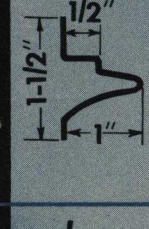


No. 6-A Plain Base Screed

The most popular type of base grounds. Available in ½" grounds only. Provides a neat dividing strip for use in separating the wall plaster and flush cement or composition base.

Length: 10 ft.
Material: 26 gauge steel, Galvanized
Packing: 50 pieces (500 ft.) per carton
Weight: 150 lbs. per 1000 lineal ft.

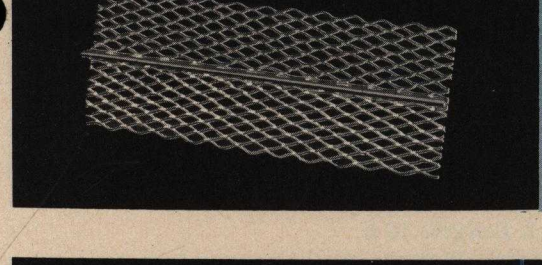


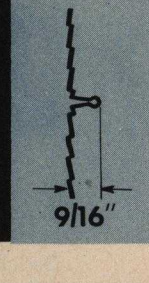


No. 7-A Curved Point Base Screed

Used as a neat divider strip when the wall plaster and cement or composition base are not in flush plane. An offset above the nose provides a ½" ground for the plaster. The bottom offset permits 1" ground for the cement.

Length: 10 ft.
Material: 26 gauge steel, Galvanized
Packing: 50 pieces (500 ft.) per carton
Weight: 185 lbs. per 1000 lineal ft.





No. 3-B Expanded Flush Base Screed

Expanded wings assure perfect keying of both the plaster and the concrete. 9/16" grounds.

Length: 10 ft.
Material: 26 gauge steel, Galvanized
Packing: 50 pieces (500 ft.) per carton
Weight: 210 lbs. per 1000 lineal ft.

NO. 35-A COAL DOOR

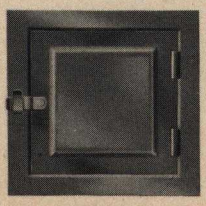
Furnished in one size only to fit a masonry opening 22¼" wide by 16½" high with an 8" wall thickness. Pressed steel construction.

Weight: 35 lbs. each

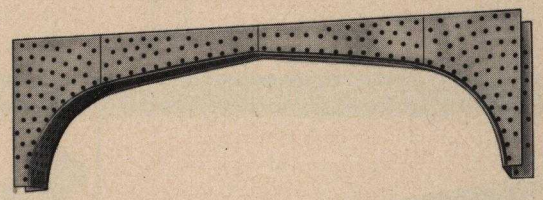
NO. 88-B CLEAN-OUT DOOR

Offers access for the removal of soot and fly ash from chimneys. Sturdily built with one-piece steel frame. Hinged door has catch fastener.

Size: 8"x8"
Packing: 6 doors per carton
Shipping weight: 19 lbs. per carton



METAL ARCHES



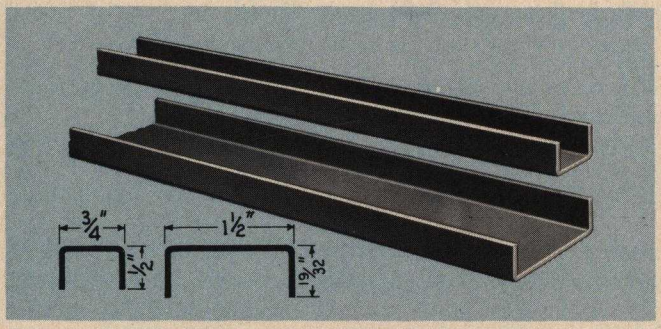
ELLIPTICAL ARCH

GOTHIC ARCH

TRUE CIRCLE ARCH

Preformed for immediate use and erection. No cutting or bending necessary. Metal Arches provide plaster ground, plaster base and corner bead reinforcement. Individually packed, one set per carton, with easy to follow illustrated instructions.

No.	Style of Arch (For 2 x 4 Studding)	SIZE	Pieces per Set	Weight per Set
11A	Half circle	10" Radius	2	4 lbs.
22A	Half circle	15¾" Radius	2	6 lbs.
33A	Gothic	2' 6" Openings	4	5 lbs.
36A	Elliptic	3' 0" Openings	4	6 lbs.
44A	Gothic	4' 0" Openings	4	6 lbs.
55A	Elliptic	5' 0" Openings	4	7 lbs.
66A	Elliptic	6' 0" Openings	4	8 lbs.



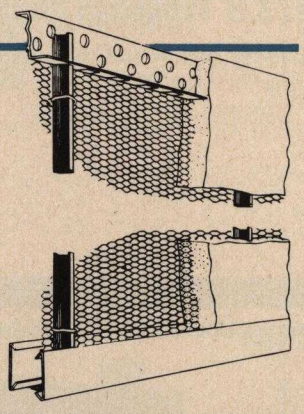
COLD ROLLED CHANNELS

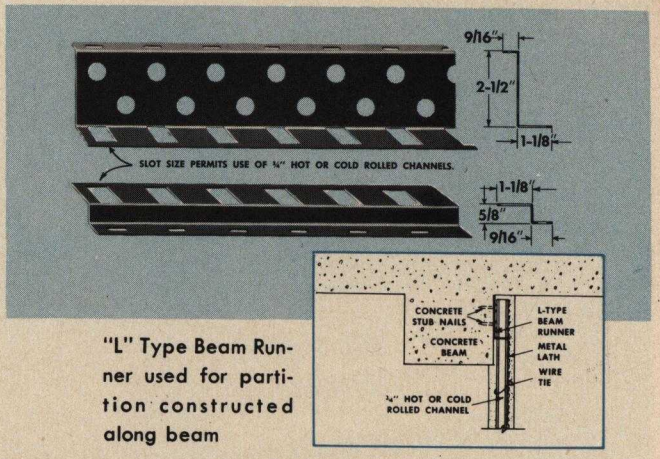
Used with Metal Lath as studs for solid and hollow partitions. Ideal for furred walls and used extensively as runners and cross furring in suspended ceilings. Recommended for use with clip-on acoustical ceiling construction. Made from the best grade open-hearth steel, with square shoulders. Easily cut and formed.

Sizes: ¾" and 1½"
Material: 16 gauge steel, Painted
Stock Lengths: 16 ft. and 20 ft.
Packing: ¾"—20 pieces per bundle
1½"—10 pieces per bundle
Weights: ¾"—300 lbs. per 1000 lineal ft.
1½"—475 lbs. per 1000 lineal ft.

SOLID PARTITION AND FURRING SYSTEM

Illustrating how ¾" cold-rolled channels are used with "Z" type Ceiling and Floor Runners in erecting a channel stud partition.





"L" Type Beam Runner used for partition constructed along beam

CEILING RUNNER

"Z" shaped, with rectangular openings for ¾" Cold Rolled Channels. Spaced two inches on centers.

Stock Length: 10 ft.
Material: 28 gauge steel, Galvanized
Packing: 50 pieces per carton
Weight: 222 lbs. per 1000 lineal ft.

FLOOR RUNNER—"Z" SHAPED

The openings in Floor Runners hold the Channel Studs in position without wiring.

Stock Length: 10 ft.
Material: 28 gauge steel, Galvanized
Packing: 100 pieces per carton
Weight: 136 lbs. per 1000 lineal ft.

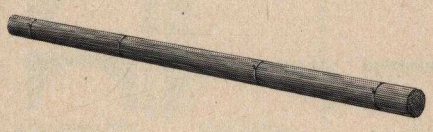
TYPE "L" BEAM RUNNER

"L" type Beam Runner is used for partitions constructed along beams. Attached to side of beam as shown.

Stock Length: 10 ft.
Material: 28 gauge steel, Galvanized
Packing: 50 pieces per carton
Weight: 374 lbs. per 1000 lineal ft.

Type "L" Ceiling Runner (not illustrated) also is available for use in studless solid partitions.

PENCIL RODS



Used for hangers and furring in suspended ceiling work. Made from soft, easy-to-bend, steel.

Sizes: 3/16" round—16 ft. lengths
¼" round—20 ft. lengths
Packing: 3/16"—50 pieces per bundle
¼"—50 pieces per bundle
Weights: 3/16"—94 lbs. per 1000 lineal ft.
¼"—167 lbs. per 1000 lineal ft.

GALVANIZED TIE AND HANGER WIRE

Galvanized Tie and Hanger Wire is made from extra pliable soft annealed wire protected by tight Galvanizing.

18 gauge Galvanized Tie Wire supplied in 50 lb. coils or straightened and cut to 28" lengths in 25 lb. bundles.

16 gauge Galvanized Tie Wire, also 8 and 9 gauge Galvanized Hanger Wire furnished in 50 lb. coils.

CONCRETE STUB NAILS

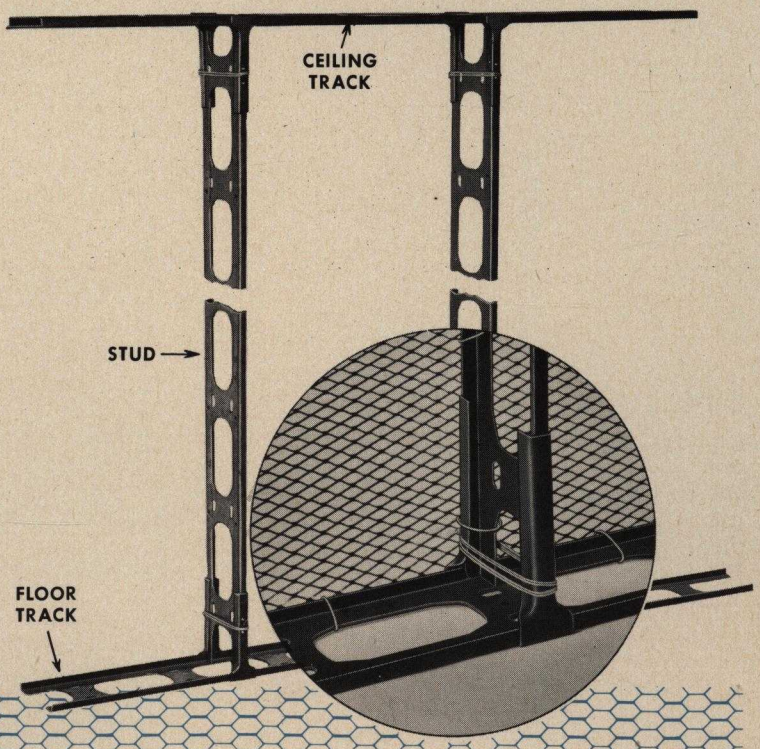
Oil-quench hardened with flat countersunk heads and long sharp points. Perfect for fastening corner beads, casing beads or other metal trim to concrete. Also used for fastening floor and ceiling track to concrete slabs in steel stud installation.

Sizes: ½", ⅜", ¾", 1", 1¼", 1½" and 2" lengths
Packed: 100 lbs. per keg

STEEL STUDS

Designed for Non-Bearing Hollow Partition Construction.

Material: Studs are made from 18 gauge channel sections
Width of Stud: 2½", 3¼", 4" and 6"
Standard lengths: 6, 7, 8, 9, 10, 12, 14, 16, 18 and 20 ft. Other lengths available on request
Weights:
2½" studs—420 lbs. per 1000 lineal ft.
3¼" studs—480 lbs. per 1000 lineal ft.
4" studs—550 lbs. per 1000 lineal ft.
6" studs—653 lbs. per 1000 lineal ft.



- **Lightweight–Economical–Easy to Erect**
  Substantial elimination of dead load is made in new structures with the use of Ceco steel studs.
  Steel stud partitions can quickly be erected with ordinary lather's tools, with practically no clean-up cost.

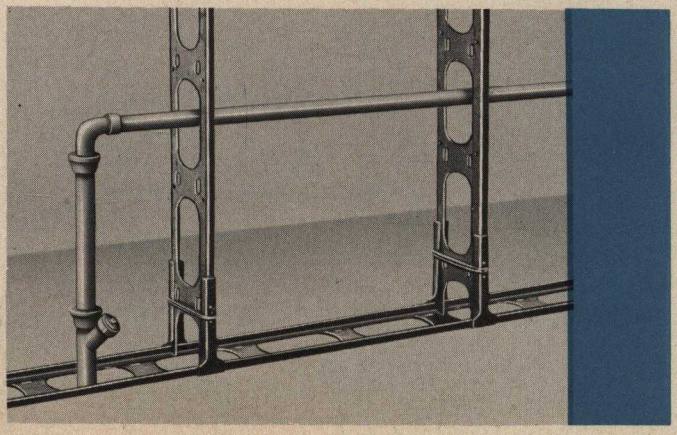
- **Conceal Utilities**
  Openings in Ceco studs can accommodate runs of ducts and pipes. Expansion and contraction of steam and hot water lines can occur without cracking the plaster.

- **Lifetime, Troublefree, Sanitary**
  Ceco steel studs eliminate the possibility of shrinking, warping or swelling. They are rodent and termite proof.

- **Fire Resistive**
  In addition to being non-combustible, the hollow partitions formed with metal studs, metal lath and plaster are outstanding barriers to the spread of fire.

- **Sound Insulation**
  Recent tests show that steel stud hollow partitions are better sound insulators than wood stud partitions or 3" masonry units plastered on both sides.

- **Structural Strength**
  Hollow partitions of Ceco steel studs and metal lath are highly resistant to sudden shocks and vibrations. Metal lath in plaster provides steel reinforcing against cracking.



TRACK

Floor and Ceiling Tracks are of same design as studs. Sections slightly wider to accommodate studs. Punched for nailing.

Lengths: 10 ft.
Weights: 2½" track—420 lbs. per 1000 lineal ft.
3¼" track—480 lbs. per 1000 lineal ft.
4" track—550 lbs. per 1000 lineal ft.
6" track—653 lbs. per 1000 lineal ft.
All Studs and Track are shop painted.

SHOES

Four required for each stud (2 at floor—2 at ceiling).
Packing: 250 pieces per carton
Weight: Approximately 100 lbs. per 1000 pieces

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